



PTO/SB/088 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/625,885
Filing Date	July 23, 2003
First Named Inventor	Andrew W. Phelps
Art Unit	4744 1755
Examiner Name	Hailey
Attorney Docket Number	UVD 0279 1A/40815.397

Sheet	1	of	1
-------	---	----	---

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PHA		F.A. COTTON, G. WILKINSON: Anorganische Chemie, 4th Edition, pgs. 789-799, Wiley & Sons Inc., 1980. <u>no month</u>	

Examiner Signature	Hailey	Date Considered	9/19/05
--------------------	--------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

5

Complete if Known

Application Number	10/625,875
Filing Date	July 23, 2003
First Named Inventor	Andrew W. Phelps
Art Unit	1755
Examiner Name	Hailey
Attorney Docket Number	UVD 0279 IA

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DJA		US- 2003/0024432 A1	02/06/2003	Chung et al.	
		US- 2003/0019391 A1	01/30/2003	Kendig	
		US- 2002/0034644 A1	03/21/2002	Swiler et al.	
		US- 6,428,846 B2	08/06/2002	Kaupp et al.	
		US- 6,352,678 B1	03/05/2002	Huguenin et al.	
		US- 6,294,011 B1	09/25/2001	Hedouin et al.	
		US- 6,338,876 B1	01/15/2002	Ishii et al.	
		US- 6,221,473 B1	04/24/2001	Aubert et al.	
		US- 6,096,139	08/01/2000	Shimakura et al.	
		US- 6,033,677	03/07/2000	Cabane et al.	
		US- 5,922,330	07/13/1999	Chane-Ching et al.	
		US- 5,866,652	02/02/1999	Hager et al.	
		US- 5,733,361	03/31/1998	Chane-Ching et al.	
		US- 5,322,560	06/21/1994	DePue et al.	
		US- 5,167,709	12/01/1992	Shinohara et al.	
		US- 5,006,588	04/09/1991	Miller	
		US- 2,763,569	09/18/1956	Bradstreet et al.	
		US- 2,661,336	12/01/1953	Lederer	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1 ^o
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
DJA		EP 0 803 471 A2 ✓	10/29/1997	Degussa Aktiengesellschaft		
		EP 0 680 930 B1 ✓	10/28/1998	Rhodia Chimie		
		FR 2 785 896 A1 ✓	05/19/2000	Rhodia Chimie		
		GB 565,951 ✓	12/06/1944	E.I. Dupont DeNemours		
		GB 1,131,104 ✓	10/23/1968	Johnson, Matthey & Co.		

Examiner
Signature

Hailey

Date
Considered

9/19/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 5

Complete if Known

Application Number	10/625,885
Filing Date	July 23, 2003
First Named Inventor	Andrew W. Phelps
Art Unit	1755
Examiner Name	Hailey
Attorney Docket Number	UVD 0279 IA

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code* Number * Kind Code* (if known)				
DA		JP6101075	✓ 04/12/1994	Teika Corp		
1		JP2049075	✓ 02/19/1990	Nipon Shokubai Kagaku		
		JP9188827	✓ 07/22/1997	Dainippon Ink & Chem		
		WO 01/74714 A1	✓ 10/11/2001	Rhodia Terres Rares		
DA		WO 01/55029 A1	✓ 08/02/2001	Rhodia Terres Rares		

Examiner Signature	<i>P. Ailes</i>	Date Considered	9/19/05
-----------------------	-----------------	--------------------	---------

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinda Codes of USPTO Patent Documents at www.uspto.gov of MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
	Application Number	10/625 885	
	Filing Date	Jul July 23, 2003	
	First Named Inventor	Andrew W. Phelps	
	Art Unit	1755	
	Examiner Name	Hailey	
	Attorney Docket Number	UVD 0279 1A	
Sheet	3	of	5

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
DA		WO 01/42371 A1	✓ 06/14/2001	Rhodia Terres Rares		
		WO 01/38225 A1	✓ 05/31/2001	Rhodia Terres Rares		
		WO 01/36331 A1	✓ 05/25/2001	Rhodia Terres Rares		
		WO 00/73210 A1	✓ 12/07/2000	Rhodia Chimie		
DA		WO 00/49098	✓ 08/24/2000	Rhodia Chimie		

Examiner Signature: <i>Hailey</i>	Date Considered	9/19/05
-----------------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

~~Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.~~

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of 5

Complete if Known

Application Number	10/625,885
Filing Date	Jul 23, 2003
First Named Inventor	Andrew W. Phelps
Art Unit	1755
Examiner Name	Haley
Attorney Docket Number	UVD 0279 1A

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1*
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
DA		WO 00/00431	✓ 01/06/2000	Rhodia Chimie		
DA		WO 98/00367	✓ 01/08/1998	Rhone-Poulec Chimie		
DA		WO 96/26255	✓ 08/29/1996	Rhone-Poulec Chimie		

**Examiner
Signature**

Date
Considered

9/19/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/625,885
Filing Date	July 23, 2003
First Named Inventor	Andrew W. Phelps
Art Unit	1755
Examiner Name	Hailey
Attorney Docket Number	UVD 0279 IA

Sheet

5

of

5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PLA		Abstract: BUSCH, W., The applicability of electrometric titration to the determination of the solubility of slightly soluble oxides, Z. anorg. allgem. Chem 161: 161-79, (1927) in Chemical Abstracts, Vol. 21, Col. 2412	✓
		Abstract: TARAYAN ET AL., The solubility product of quadrivalent cerium hydroxide, Izvest. Akad. Nauk Armyan. S.S.R., Ser Khim. Najk 10: 189-193 (1957), in General and Physical Chemistry, Vol. 2, Col. 9722 (1958) *	✓
		Abstract: AGARWALA ET AL., Corrosion inhibitor for crack-arresting composition, in 56-Nonferrous Metals, Vol. 99:217218f, 1983, pp.1-19 *	✓
		Abstract: Ceramic Pigments. Associated Lead Manufacturers Ltd., Neth. Appl. 6,601,070, July 28, 1966 in Chemical Abstracts, Vol. 65, Col. 18303 (1966)	✓
PLA		Publication: Serial No. 432,610, AGARWALA ET AL., ENVIRONMENTAL CRACK ARRESTMENT COMPOSITION, 10/4/82, pp. 1-5	✓

Examiner
Signature

Hailey

Date
Considered

9/19/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

* no month
available